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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO.    |
|--|-------------|----------------------|---------------------|---------------------|
| 10/790,055   | 03/02/2004  | Robert J. Sexton     | 77335-0098          | 9816                |
| 29052  | 7590        | 06/13/2006           | EXAMINER            |                     |
| SUTHERLAND ASBILL & BRENNAN LLP<br>999 PEACHTREE STREET, N.E.<br>ATLANTA, GA 30309 |             |                      |                     | MAYO III, WILLIAM H |
| ART UNIT   |             | PAPER NUMBER         |                     |                     |
|  |             | 2831                 |                     |                     |

DATE MAILED: 06/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

|  |                                 |                     |   |
|--|---------------------------------|---------------------|---|
| <b>Supplemental<br/>Notice of Allowability</b> | <b>Application No.</b>          | <b>Applicant(s)</b> |   |
|  | 10/790,055                      | SEXTON ET AL.       |   |
|  | Examiner<br>William H. Mayo III | Art Unit<br>2831    | / |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to May 6, 2006.
2.  The allowed claim(s) is/are 1-3,5-39 and 41-75.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other PTO-271.

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 1-3, 5-39, and 41-75 are allowed.
2. The following is an examiner's statement of reasons for allowance: This invention deals with an electrical wire comprising at least one electrifiable conductor and first and second return conductors formed on opposing sides of the at least one electrifiable conductor, wherein the at least one electrifiable conductor is entrapped by the first and second conductors, wherein a distance between the at least one electrifiable conductor and each of the first and second return conductors is no greater than approximately 0.030 inches (claims 1, 10, & 24). This invention deals with a method of forming an electrical wire comprising forming at least one electrifiable conductor, forming first and second return conductors formed on opposing sides of the at least one electrifiable conductor, wherein the at least one electrifiable conductor is entrapped by the first and second conductors, wherein a distance between the at least one electrifiable conductor and each of the first and second return conductors is no greater than approximately 0.030 inches (claim 30). This invention also deals with an electrical wire comprising at least one electrifiable conductor and first and second return conductors formed on opposing sides of the at least one electrifiable conductor, wherein the at least one electrifiable conductor is entrapped by the first and second conductors, wherein a total thickness of the electrical wire is no more than approximately 0.050 inches (claims 41 &

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42). The above stated claim limitations, in combination with other claim limitations, is not taught or suggested by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Drawings***

3. The drawings were received on May 22, 2006. These drawings are approved.

### ***Communication***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Mayo III whose telephone number is (571)-272-1978. The examiner can normally be reached on M-F 8:30am-6:00 pm (alternate Fridays off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on (571) 272-2800 ext 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



William H. Mayo III  
Primary Examiner  
Art Unit 2831

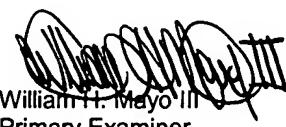
WHM III  
June 6, 2006

|   |                                 |                     |  |
|---|---------------------------------|---------------------|--|
| <b>Response to Rule 312 Communication</b> | <b>Application No.</b>          | <b>Applicant(s)</b> |  |
|   | 10/790,055                      | SEXTON ET AL.       |  |
|   | Examiner<br>William H. Mayo III | Art Unit<br>2831    |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

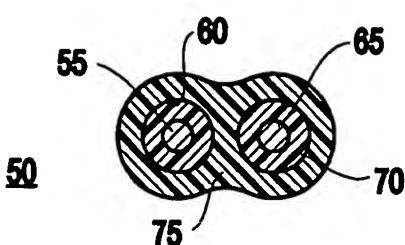
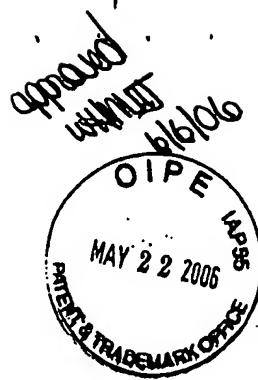
1.  The amendment filed on May 22, 2006 under 37 CFR 1.312 has been considered, and has been:

- a)  entered.
- b)  entered as directed to matters of form not affecting the scope of the invention.
- c)  disapproved because the amendment was filed after the payment of the issue fee.  
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.
- d)  disapproved. See explanation below.
- e)  entered in part. See explanation below.

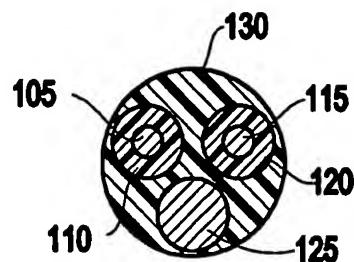


William H. Mayo III  
Primary Examiner  
Art Unit: 2831

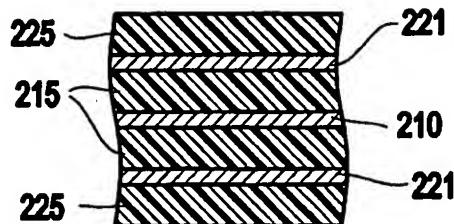
U.S.S.N.: 10/790,055  
Filed: March 2, 2004  
Applicants: Sexton, et al.  
Title: Electrical Wire and Method of  
Fabricating the Electrical Wire  
Attorney Docket No.: 77335-0143



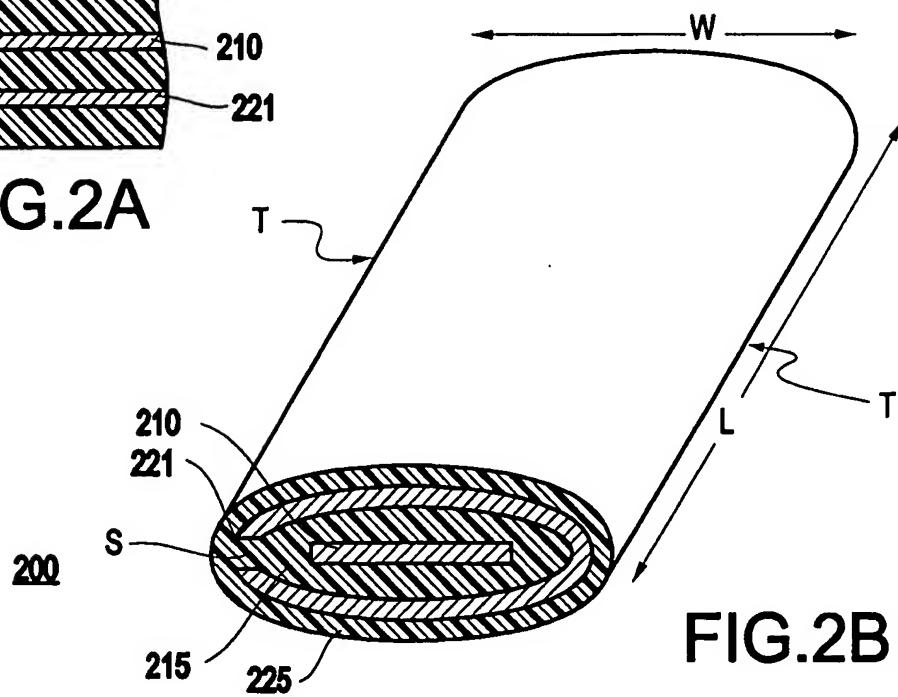
**FIG. 1A**  
PRIOR ART



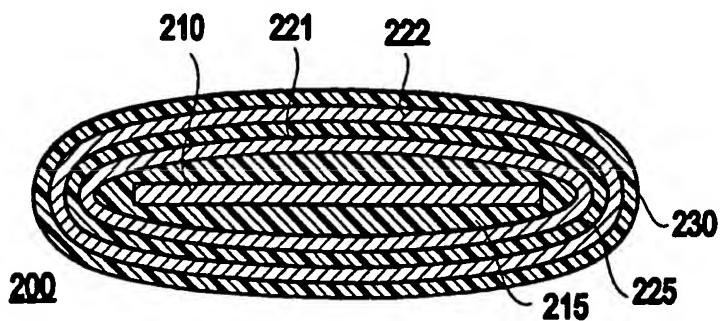
**FIG. 1B**  
PRIOR ART



**FIG. 2A**



**FIG. 2B**



**FIG. 2C**